

EXTERNAL BLOW OFF CONVERSION OF COMPRESSOR RECIRCULATION VALVE  
ABSTRACT OF THE DISCLOSURE

A method and apparatus provide external blow-off in a turbocharger having an internal recirculation valve configured for attachment to a valve mounting flange defining a recirculation valve inlet port connected in fluid communication with an outlet of a compressor of the turbocharger, and a recirculation valve outlet port connected to an inlet of the compressor, through use of an external blow-off adaptor that is configured for installation between the internal recirculation valve and the valve mounting flange. The external blow-off adapter is configured for producing a desirable sound when the recirculation valve is operating in the recirculation mode with the external blow-off adaptor installed between the recirculation valve and the valve mounting flange.